



```
DDDDDDDD  UU      UU  MM      MM  PPPPPPPP  RRRRRRRR  EEEEEEEEE  GGGGGGGG
DDDDDDDD  UU      UU  MM      MM  PPPPPPPP  RRRRRRRR  EEEEEEEEE  GGGGGGGG
DD      DD  UU      UU  MMMM  MMMM  PP      PP  RR      RR  EE      EE  GG
DD      DD  UU      UU  MMMM  MMMM  PP      PP  RR      RR  EE      EE  GG
DD      DD  UU      UU  MM  MM  MM  PP      PP  RR      RR  EE      EE  GG
DD      DD  UU      UU  MM  MM  MM  PPPPPPPP  RRRRRRRR  EEEEEEEEE  GG
DD      DD  UU      UU  MM  MM  MM  PPPPPPPP  RRRRRRRR  EEEEEEEEE  GG
DD      DD  UU      UU  MM  MM  MM  PP      PP  RR      RR  EE      EE  GG
DD      DD  UU      UU  MM  MM  MM  PP      PP  RR      RR  EE      EE  GG
DD      DD  UU      UU  MM  MM  MM  PP      PP  RR      RR  EE      EE  GG
DD      DD  UU      UU  MM  MM  MM  PP      PP  RR      RR  EE      EE  GG
DDDDDDDD  UUUUUUUUU  MM      MM  PP      PP  RR      RR  EEEEEEEEE  GGGGGGG
DDDDDDDD  UUUUUUUUU  MM      MM  PP      PP  RR      RR  EEEEEEEEE  GGGGGGG
```

```
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```

J 14  
16-Sep-1984 00:21:10  
5-Sep-1984 13:53:52

VAX-11 FORTRAN V3.4-56  
DISK\$VMSMASTER:[ERF.SRC]DUMPREG.FOR;1

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```
0001      SUBROUTINE DUMPREG (LUN,ICOUNT,DATA1)
0002      C
0003      C Version:      'V04-000'
0004      C
0005      C*****
0006      C*
0007      C*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0008      C*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0009      C*  ALL RIGHTS RESERVED.
0010      C*
0011      C*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0012      C*  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
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0014      C*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0015      C*  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0016      C*  TRANSFERRED.
0017      C*
0018      C*  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0019      C*  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0020      C*  CORPORATION.
0021      C*
0022      C*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0023      C*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0024      C*
0025      C*
0026      C*****
0027      C
0028      C
0029      C
0030      C      AUTHOR  BRIAN PORTER      CREATION DATE  28-OCT-1979
0031      C
0032      C Modified by:
0033      C
0034      C      V03-001  EAD0134      Elliott A. Drayton      9-Apr-1984
0035      C      Removed data statements and made them equates.
0036      C
0037      C
0038      C
0039      C
0040      C
0041      C      BYTE      LUN
0042      C
0043      C      INTEGER*2    ICOUNT
0044      C
0045      C      INTEGER*2    DATA1_LEN
0046      C
0047      C      INTEGER*4    DATA1(1:128)
0048      C
0049      C      INTEGER*4    COMPRESS4
0050      C
0051      C      CHARACTER*4  DATA2
0052      C
0053      C      CHARACTER*3  FAO_CONTROL
0054      C
0055      C      CHARACTER*4  DATA3
0056      C
0057      C      LOGICAL*4   SYSSFAO
```

DUMPREG

K 14  
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5-Sep-1984 13:53:52

VAX-11 FORTRAN V3.4-56  
DISK\$VMSMASTER:[ERF.SRC]DUMPREG.FOR;1

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\*\*F

```
0058
0059      EXTERNAL      SYSSFAO
0060
0061      LOGICAL*4      LIB$SCOPY_R_DX
0062
0063      EXTERNAL      LIB$SCOPY_R_DX
0064
0065      FAO_CONTROL = '!AF'
0066
0067      DATA1_LEN = 4
0068
0069
0070      IF (ICOUNT .GT. 0) THEN
0071
0072      DO 20,I = 1,MIN(127,ICOUNT)
0073
0074      CALL LINCHK (LUN,2)
0075
0076      WRITE(LUN,5) I,DATA1(I)
0077 5      FORMAT(' ',T8,'LONGWORD ',I<COMPRESS4 (I)>,'.',T24,Z8.8)
0078
0079      IF (LIB$SCOPY_R_DX(%REF(DATA1_LEN),%REF(DATA1(I)),DATA2)) THEN
0080
0081      IF (SYSSFAO(FAO_CONTROL,,DATA3,%VAL(4),%REF(DATA2))) THEN
0082
0083      WRITE(LUN,10) DATA3
0084 10      FORMAT(' ',T40,'/',A4,'/')
0085      ENDIF
0086      ENDIF
0087
0088 20      CONTINUE
0089      ENDIF
0090
0091      RETURN
0092
0093      END
```



## DUMPREG

L 14  
16-Sep-1984 00:21:10  
5-Sep-1984 13:53:52VAX-11 FORTRAN V3.4-56  
DISK\$VMSMASTER:[ERF.SRC]DUMPREG.FOR;1

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## PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	215	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	52	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	124	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated	391	

## ENTRY POINTS

Address	Type	Name
0-00000000		DUMPREG

## VARIABLES

Address	Type	Name	Address	Type	Name	Address	Type	Name	Address	Type	Name
2-0000000C	I*2	DATA1_LEN	2-00000000	CHAR	DATA2	2-00000007	CHAR	DATA3	2-00000004	CHAR	FAO_CONTROL
2-00000010	I*4	I	AP-00000008a	I*2	ICOUNT	AP-00000004a	L*1	LUN			

## ARRAYS

Address	Type	Name	Bytes	Dimensions
AP-0000000Ca	I*4	DATA1	512	(128)

## LABELS

Address	Label	Address	Label	Address	Label
1-00000004	5'	1-00000023	10'	**	20

## FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
I*4	COMPRESS4	L*4	LIB\$SCOPY_R_DX		LINCHK
L*4	SYSS\$FAO				

## COMMAND QUALIFIERS

FORTRAN /LIS=LISS:DUMPREG/OBJ=OBJ\$:DUMPREG MSRC\$:DUMPREG

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)

/DEBUG=(NOSYMBOLS,TRACEBACK)

/STANDARD=(NOSYNTAX,NOSOURCE FORM)

/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)

/F77 /NOG\_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD\_LINES /NOCROSS\_REFERENCE /NOMACHINE\_CODE /CONTINUATIONS=19

M 14  
16-Sep-1984 00:21:10  
5-Sep-1984 13:53:52

```
Run Time: 1.14 seconds
Elapsed Time: 5.11 seconds
Page Faults: 90
Dynamic Memory: 170 pages
```

[illegible]



0147

AH-BT13A-SE  
VAX/VMS V4.0

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